

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A data processing apparatus having a memory for storing program code and a processor for processing the program code comprising:
a body having a surface defining a first plane, the body comprising a first user interface including a first plurality of control elements for entering data and performing control operations and a second user interface including a second plurality of control elements for entering data and performing control operations, wherein the first plurality of control elements comprise a keyboard and wherein the second plurality of control elements comprise a set of control buttons;
a display having a display area defining a second plane, the display directly coupled to the data processing apparatus at a pivot point and rotatable around the pivot point in one continuous motion from a first position to a second position, wherein the first plane and second plane are substantially parallel when the display is in the first position and the first plane and the second plane are not parallel when the display is in the second position, wherein the display is substantially inverted when in the second position relative to the first position, wherein the display is viewable in both the first position and the second position, wherein an angle between the first plane and the second plane is adjustable over a specified range when the display is in the second position, and wherein both the first and second groups plurality of control elements are exposed when the display is in the second position,

and wherein only the second group plurality of control elements are is exposed when the display is in the first position,

an operational mode selection module for selecting between a first operational mode and a second operational mode in response to a plurality of triggering events, said triggering events including:

output from one or more operational mode sensors configured to trigger when the display is rotated from the second position to the first position or from the first position to the second position;

execution of program code from one or more applications currently running on the data processing device; and/or

manual user input by selecting one or more of the plurality of control elements located within said first or second user interfaces; and
image inversion logic to invert images on the display responsive to the selected operational mode,

wherein execution of the program code by the processor causes the operational mode selection module to adjust the functions associated with the first and second plurality of control elements based on the selected operational mode, wherein the first and/or second plurality of control elements perform a first plurality of defined functions when the data processing apparatus is in the first operational mode and perform a second plurality of defined functions when the data processing apparatus is in the second operational mode.

2. (Cancelled).

3. (Original) The data processing apparatus as in claim 1 wherein the first group of control elements are covered by the display when the display is in the first position.

4. (Cancelled).

5. (Original) The data processing apparatus as in claim 3 wherein the second group of control elements are not covered by the display when the display is in the first position.

6. -11. (Cancelled).

12. (Currently Amended) A data processing apparatus comprising:
a display defining a first plane and having a viewable area for displaying text and graphics;

a body defining a second plane and having a first user interface including a first plurality of control elements for entering data and performing control operations and a second user interface including a second plurality of control elements for entering data and performing control operations, wherein the first plurality of control elements comprise a keyboard and wherein the second plurality of control elements comprise a set of control buttons;

a display motion mechanism moveably coupling the display directly to the body and rotating the display in one continuous motion from a first position to a second position wherein the first plane and second plane are substantially parallel

when the display is in the first position, and the first plane and the second plane are not parallel when the display is in the second position, wherein the display is substantially inverted when in the second position relative to the first position,
wherein the display is viewable in both the first position and the second position,
wherein an angle between the first plane and the second plane is adjustable over a specified range when the display is in the second position, and wherein both the first and second groups plurality of control elements are exposed when the display is in the second position, and wherein only the second group plurality of control elements are is exposed when the display is in the first position,

an operational mode selection module for selecting between a first operational mode and a second operational mode in response to a plurality of triggering events, said triggering events including:

output from one or more operational mode sensors configured to trigger when the display is rotated from the second position to the first position or from the first position to the second position;

execution of program code from one or more applications currently running on the data processing device; and/or

manual user input by selecting one or more of the plurality of control elements located within said first or second user interfaces; and

image inversion logic to invert images on the display responsive to the selected operational mode,

wherein execution of the program code by the processor causes the operational mode selection module to adjust the functions associated with the first and second plurality of control elements based on the selected

operational mode, wherein the first and/or second plurality of control elements perform a first plurality of defined functions when the data processing apparatus is in the first operational mode and perform a second plurality of defined functions when the data processing apparatus is in the second operational mode.

13. (Original) The data processing apparatus as in claim 12 wherein the display motion mechanism comprises:

a rotation element providing rotation of the display within a first dimension relative to the body; and
a pin rotatably coupled to the rotation element, the pin providing rotation of the display within a second dimension relative to the body.

14. (Original) The data processing apparatus as in claim 13 further comprising:

a chamber for rotatably coupling the pin to the rotation element, wherein the pin is fixedly coupled to the display.

15. (Original) The data processing apparatus as in claim 12 wherein the display motion mechanism comprises:

one or more tracks formed on the of the data processing apparatus; and
one or more pins formed on the display and engaging with the tracks to guide the display from the first position to the second position.

16. (Original) The data processing apparatus as in claim 12 wherein, when in the second position, the display motion mechanism carries the display over a range defined by a first angle between the first plane and the second plane and a second angle between the first plane and the second plane.

17. (Original) The data processing apparatus as in claim 12 wherein the first group of control elements are covered by the display when the display is in the first position.

18. (Cancelled).

19. (Original) The data processing apparatus as in claim 17 wherein the second group of control elements are not covered by the display when the display is in the first position.

20.-25. (Cancelled).

26. (Currently Amended) A data processing apparatus comprising:
a display defining a first plane and having a viewable area for displaying text and graphics;
a body defining a second plane and having a first user interface including a first plurality of control elements for entering data and performing control operations and a second user interface including a second plurality of control elements for entering data and performing control operations, wherein the first plurality of control

elements comprise a keyboard and wherein the second plurality of control elements comprise a set of control buttons;

display motion means moveably coupling the display directly to the body and rotating the display in one continuous motion from a first position to a second position wherein the first plane and second plane are substantially parallel when the display is in the first position, and the first plane and the second plane are not parallel when the display is in the second position, wherein the display is substantially inverted when in the second position relative to the first position, wherein the display is viewable in both the first position and the second position, wherein an angle between the first plane and the second plane is adjustable over a specified range when the display is in the second position, and wherein both the first and second groups plurality of control elements are exposed when the display is in the second position, and wherein only the second group plurality of control elements are is exposed when the display is in the first position,

an operational mode selection module for selecting between a first operational mode and a second operational mode in response to a plurality of triggering events, said triggering events including:

output from one or more operational mode sensors configured to trigger when the display is rotated from the second position to the first position or from the first position to the second position;

execution of program code from one or more applications currently running on the data processing device; and/or

manual user input by selecting one or more of the plurality of control elements located within said first or second user interfaces; and

image inversion logic to invert images on the display responsive to the selected operational mode,

wherein execution of the program code by the processor causes the operational mode selection module to adjust the functions associated with the first and second plurality of control elements based on the selected operational mode,

wherein the first and/or second plurality of control elements perform a first plurality of defined functions when the data processing apparatus is in the first operational mode and perform a second plurality of defined functions when the data processing apparatus is in the second operational mode.

27-32. (Cancelled).